#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

### (19) World Intellectual Property Organization

International Bureau



## 

## (43) International Publication Date 7 April 2005 (07.04.2005)

### **PCT**

# (10) International Publication Number WO 2005/030395 A2

(51) International Patent Classification<sup>7</sup>: F04B 19/24

B01L 3/00,

(21) International Application Number:

PCT/GB2004/004081

(22) International Filing Date:

24 September 2004 (24.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0323043.0 24 September 2003 (24.09.2003)

- (71) Applicant (for all designated States except US): LUX BIOTECHNOLOGY LIMITED [GB/GB]; Edinburgh Technology Transfer Centre, Alrick Building, King's Buildings, Edinburgh EH9 3JL (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HICKEY, Patrick, Colin [GB/GB]; 16 Brunstfield Avenue, Edinburgh EH10 4EW (GB).
- (74) Agents: JACOB, Reuben, E. et al.; R G C Jenkins & Co., 26 Caxton Street, London SW1H 0RJ (GB).

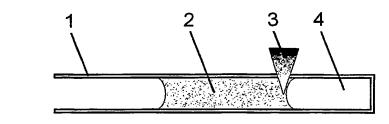
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

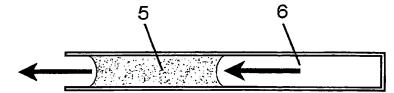
#### **Published:**

 without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: BIOCHIP





(57) Abstract: The invention relates to a biochip, comprising a substrate defining a plurality of fluid holding areas, there being fluid separating elements for preventing mixing of fluids held in said areas until the application of pressure to one or more said fluid.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.